

Attorney Docket No.: 43390-8003.US01

SPW

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Date: March 9 2007

y: ______Steven Goldstein

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: THOMSON ET AL.

APPLICATION No.: 10/667,136

FILED: SEPTEMBER 17, 2003

FOR: WIRELESS LAN MEASUREMENT FEEDBACK

EXAMINER: JULIO PEREZ

ART UNIT: 2681

CONF. No: 7186

<u>Information Disclosure Statement After First Office Action but</u> <u>Before Final Action or Notice of Allowance – 37 C.F.R. § 1.97(c)</u>

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned submits the following references without admitting that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art. The undersigned, in an effort to focus the scope of this review, has identified the following subset of references as **most relevant** to the subject invention:

U.S. PATENT DOCUMENTS

Cite No.	U.S. Patent of Application Number	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document
1.	11/588,848	Zeldin et al.	10/26/06
2.	11/588,849	Zeldin et al.	10/26/06
3.	11/588,878	Zeldin et al.	10/26/06
4.	11/592,891	Zeldin et al.	11/22/06
5.	11/595,119	Murphy	11/10/06
6.	11/604,075	Murphy et al.	11/22/06
7.	2002/0069278	Forslow	06/06/02
8.	2002/0191572	Weinstein et al.	12/19/02
9.	2004/0047320	Eglin	03/11/04

03/14/2007 NNGUYEN1 00000003 502207

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10.	2004/0095932	Astarabadi et al.	0/20/04
12.	2004/0259555	Rappaport et al.	12/23/04
13.	2005/0068925	Palm et al	09/12/03
25.	4,494,238	Groth	1/85
30.	4,630,264	Wah	12/86
33.	4,644,523	Horwitz	2/87
46.	4,894,842	Brockhoven et al.	1/90
49.	4,933,952	Albrieux et al.	6/90
52.	5,029,183	Tymes	7/91
54.	5,103,459	Gilhousen et al.	4/92
54.	5,103,461	Tymes	4/92
62.	5,285,494	Sprecher et al.	2/94
63.	5,329,531	Diepstraten	7/94
66.	5,488,569	Huang et al.	9/95
67.	5,450,615	Fortune et al.	9/95
69.	5,479,441	Tymes et al.	12/95
70.	5,483,676	Mahany et al.	1/96
71.	5,491,644	Pickering et al.	2/96
75.	5,561,841	Markus	10/96
77.	5,598,532	Liron	1/97
79.	5,640,414	Blakeney et al.	6/97
83.	5,794,128	Brocket et al.	8/98
86.	5,828,960	Tang et al.	10/98
90.	5,896,561	Schrader et al.	4/99
91.	5,915,214	Reece et al.	6/99
92.	5,920,821	Seazholtz et al.	7/99
94.	5,949,988	Feisullin et al.	9/99
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96.	5,960,335	Umemoto et al.	9/99
98.	5,987,062	Engwer et al.	11/99
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100.	6,005,853	Wang et al.	12/99
103.	6,088,591	Trompower	7/00
104.	6,119,009	Baranger et al.	9/00
105.	6,199,032	Anderson	3/01
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111.	6,336,035	Somoza et al.	1/02
113.	6,393,290	Ufongene	5/02
114.	6,404,772	Beach et al.	6/02
115.	6,473,449	Cafarella et al.	10/02
116.	6,493,679	Rappaport et al.	12/02
117.	6,496,290	Lee	12/02
118.	6,580,700	Pinard et al.	6/03

120.	6,687,498	McKenna et al.	2/04

A. Timing of Submission

The information transmitted herewith is being filed *after* three months of the filing date of this application or after the mailing date of the first Office action on the merits, whichever occurred last, but *before* the mailing date of either a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, whichever occurs first. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

B. Cited Information

- Copies of references 1-120 are issued patent(s) and published application(s) and are not included (see C.F.R. § 1.98(a)(2)(i)).

C. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

D. Fee Payment (37 C.F.R. § 1.97(c)) or Certification (37 C.F.R. § 1.97(e))

- Applicant elects to pay the fee under 37 C.F.R. § 1.17(p) \$180.00.
 - Please charge the above fee(s) to Deposit Account No. 50-02207.

Attorney Docket No.: 43390-8003.US01

E. Patent Term Adjustment (37 C.F.R. § 1.704(d))

The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,

Perkins Coie LLP

Date: March 9, 2007

William F. Ahmann

Registration No. 52,548

Correspondence Address:

Customer No. 22918
Perkins Coie LLP
P.O. Box 2168
Menlo Park, California 94026
(650) 838-4300

MIPA	SIPA			COMPLETE IF KNOWN		
0 6	FORMATION DISCLOSURE			Application Number	10/667,136	
X				Confirmation Number	7186	
MAR 13 2007	AR 1.9 2007 STATEMENT BY APPLICANT		Filing Date	September 17, 2003		
	24 orm P10-14	49 (Modified)		First Named Inventor	Thomson et al.	
The Parket	se several she	ets if necessary)	Group Art Unit	2681	
	·			Examiner Name	Julio Perez	
Sheet	1	of	6	Attorney Docket No.	43390-8003.US01	

Examiner Initials*	Cite No.	U.S. Patent or A	pplication Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Publ. Appins. Date of Publication, Issue Date of Cited Document, or Filing Date of Applications.	Pages, Columns, Lines, Where Relevant Passages o Relevant Figures Appear
	1.	11/588,848		Zeldin et al.	10/06	
	2.	11/588,849		Zeldin et al.	10/06	
	3.	11/588,878		Zeldin et al.	10/06	
	4.	11/592,891		Zeldin et al.	11/06	
	5.	11/595,119		Murphy, James	11/06	
	6.	11/604,075		Murphy et al.	11/06	
	7.	2002/0069278	A1	Forslow	6/02	
	8.	2002/0191572	A1	Weinstein et al.	12/02	
	9.	2004/0047320	A1	Eglin	11/04	
	10.	2004/0095932	A1	Astarabadi et al.	5/04	
	11.	2004/0143428	A1	Rappaport, et al.	3/03	
	12.	2004/0259555	A1	Rappaport, et al.	12/04	
-	13.	2005/0068925	A1	Palm, et al.	9/03	
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	25.	4,494,238		Groth, Jr.	1/85	
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	27.	4,503,533		Tobagi et al.	3/85	
	28.	4,550,414		Guinon et al.	10/85	
	29.	4,562,415		McBiles	12/85	
	30.	4,630,264		Wah	12/86	

EXAMINER	-	DATE CONSIDERED
*EXAMINER:	Initial if reference considered, whether or not criteria is in conform	nance with MPEP 609. Draw line through citation if not in conformance and not
	considered. Include conv of this form with next communication to	application(s)

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

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Sheet

(COMPLETE IF KNOWN			
Application Number	10/667,136			
Confirmation Number	7186			
Filing Date	September 17, 2003			
First Named Inventor	Thomson et al.			
Group Art Unit	2681			
Examiner Name	Julio Perez			
Attorney Docket No.	43390-8003.US01			

			U.	S. PATENT DOCUMENTS	S	
Examiner Initials*	Cite No.	U.S. Patent or	Application Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Publ. Appins. Date of Publication, Issue Date of Cited Document, or Filing Date of Applications.	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	31.	4,635,221		Kerr	1/87	
-	32.	4,639,914		Winters	1/87	
-	33.	4,644,523		Horwitz	2/87	
	34.	4,672,658		Kavehrad	6/87	
	35.	4,673,805		Shepard et al.	6/87	
	36.	4,707,839		Andren et al.	11/87	
	37.	4,730,340		Frazier	3/88	
	38.	4,736,095		Shepard et al.	4/88	
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-	43.	4,829,540	-	Waggener et al	5/89	
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	47.	4,901307		Gilhousen et al.	2/90	
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	51.	5,008,899		Yamamoto	4/91	
	52.	5,029,183		Tymes	7/91	
	53.	5,103,459		Gilhousen et al.	4/92	
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	55.	5,109,390		Gilhousen et al.	4/92	
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	57.	5,151,919		Dent	9/92	
·	58.	5,157,687		Tymes	10/92	
	59.	5,187,575		Dent et al.	2/93	
	60.	5,231,633		Hluchyj et al.	7/93	177.

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

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Form PTO-1449 (Modified) (Use several sheets if necessary)

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Sheet

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Attorney Docket No.	43390-8003.US01			

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	61.	5,280,498	Tymes et al.	1/94	
	62.	5,285,494	Sprecher et al.	2/94	
	63.	5,329,531	Diepstraten	7/94	
	64.	5,418,812	Reyes et al.	5/95	
-	65.	5,479,441	Tymes et al.	12/95	
	66.	5,488,569	Huang et al.	9/95	
	67.	5,450,615	Fortune et al.	9/95	
	68.	5,465,401	Thompson	11/95	
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	70.	5,483,676	Mahany et al.	1/96	
	71.	5,491,644	Pickering et al.	2/96	
	72.	5,517,495	Lund	5/96	
	73.	5,519,762	Bartlett	5/96	
	74.	5,528,621	Heiman et al.	6/96	
	75.	5,561,841	Markus	10/96	
	76.	5,568,513	Croft et al.	10/96	
	77.	5,598,532	Liron	1/97	
	78.	5,630,207	Gitlin et al.	5/97	
	79.	5,640,414	Blakeney et al.	6/97	
	80.	5,649,289	Wang et al.	7/97	
, ,	81.	5,668,803	Tymes et al.	9/97	
	82.	5,793,303	Koga	8/98	
	83.	5,794,128	Brockel et al.	8/98	
	84.	5,812,589	Sealander et al.	9/98	
	85.	5,815,811	Pinard et al.	9/98	
	86.	5,828,960	Tang et al.	10/98	
	87.	5,584,048	Wieczorek	12/96	
	88.	5,844,900	Hong et al.	12/98	
	89.	5,875,179	Tikalsky	1/99	
	90.	5,896,561	Schrader et al.	4/99	

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Form PTO-1449 (Modified) (Use several sheets if necessary)

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Application Number	10/667,136
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Examiner Name	Julio Perez
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311.11	91.	5,915,214		Reece et al.	6/99	
	92.	5,920,821		Seazholtz et al.	7/99	
	93.	5,933,607		Tate et al.	8/99	
	94.	5,949,988		Feisullin et al.	9/99	
	95.	5,953,669		Stratis et al.	9/99	
	96.	5,960,335		Umemoto et al.	9/99	
	97.	5,982,779		Krishnakumar et al.	11/99	
	98.	5,987,062		Engwer et al.	11/99	
	99.	5,987,328		Ephremides et al.	11/99	
	100.	6,005,853		Wang et al.	12/99	
	101.	6,011,784		Brown	1/00	
	102.	6,078,568		Wright	6/00	
	103.	6,088,591		Trompower	7/00	
	104.	6,119,009		Baranger et al.	9/00	
	105.	6,199,032	B1	Anderson	3/01	
	106.	6,208,841		Wallace et al.	3/01	
	107.	6,218,930		Katzenberg et al.	4/01	
	108.	6,240,083		Wright	5/01	
	109.	6,256,334		Adachi	7/01	
	110.	6,285,662		Waṭannabe	9/01	
	111.	6,336,035		Somoza et al	1/02	
	112.	6,356,758	B1	Almeida et al.	3/02	
	113.	6,393,290	B1	Ulfongene	5/02	
	114.	6,404,772	B1	Beach et al.	6/02	
	115.	6,473,449	B1	Cafarella et al.	10/02	
	116.	6,493,679	B1	Rappaport et al.	12/02	
	117.	6,496,290	B1	Lee	12/02	
	118.	6,580,700	B1	Pinard et al.	6/03	
	119.	6,631,267		Thomson, et al	3/05	
	120.	6,687,498		McKenna, et al.	02/02/04	

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COMPLETE IF KNOWN Application Number 10/667,136 **INFORMATION DISCLOSURE** Confirmation Number 7186 STATEMENT BY APPLICANT Filing Date September 17, 2003 Form PTO-1449 (Modified) First Named Inventor Thomson et al. (Use several sheets if necessary) Group Art Unit 2681 Examiner Name Julio Perez Sheet 5 of 6 Attorney Docket No. 43390-8003.US01

				FOF	REIGN PATENT DOCUMENTS			
Examiner Initials*	Cite	Fore Office		ation (ind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ
	121.	PCT	WO94/03986	<u> </u>	WIPO	2/94	· · · · · · · · · · · · · · · · · · ·	
	122.	PCT	WO99/11003		WIPO	3/99		
			OTHER PR	IOR AR	T-NON PATENT LITERATURE [OCUMENTS		
Examiner Initials*	Cite No.	(t	Include name of t book, magazine, jour	he author nal, serial,	in CAPITAL LETTERS), title of the article symposium, catalog, etc.), date, page(s), and/or country where published.	(when appropriate) volume issue numb), title of the item per(s), publisher, city	т
	123.	Acampora and Winters, IEEE Communications Magazine, <u>25</u> (8):11-20 (1987).						
	124.	<u>5</u> :796	-804 (1987).		EEE Journal on selected Are	eas in Commu	unications. <u>SAC-</u>	
	125.				EEE, 1318-1322 (1997).			
	126.							
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	129.	125) (. 129-1	Implementing Interoperable 57) Chapter 5 (pp. 159-189			
	130.	Ho et Deter Comr	al., "Antenna ministic Imag	Effects e-Base ystems	s on Indoor Obstructed Wire d Wide-Based Propagation ", International Journal of W	Model for In-	Building Personal	
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		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	Т
	134.	Okamoto and Xu, IEEE, Proceeding so of the 13 th Annual Hawaii International Conference on System Sciences, pp. 54-63 (1997).	
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6

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